

Napraviti fajl "conn.php" koji omogućava povezivanje sa bazom.

conn.php

```
<?php
global $mysqli;
$server = "localhost";
$user = "root";
$password = "";
$database = "elab";
$mysqli= new mysqli($server, $user, $password, $database);
if ($mysqli->connect_errno) {
    printf("Connection failed: %s\n", $mysqli->connect_error);
    exit();
}
$mysqli->set_charset("utf8");
```

Napraviti fajl "professorClass.php"

professorClass.php

```
<?php
class Professor
{
    public $id;
    public $name;
    public $pass;
    function __construct($name, $pass)
    {
        $this->name = $name;
        $this->pass = $pass;
    }
    public function insertInDb()
    {
        require_once('conn.php');
        global $mysqli;

        $query = sprintf('INSERT INTO professor (name,pass) VALUES ("%s","%s") ',
        $this->name, $this->pass);

        if ($mysqli->query($query)) {
            return "professor|" . $mysqli->insert_id;
        } else {
            return "error";
        }
    }
    public static function logIn($name, $pass)
    {
        include_once ('conn.php');
        global $mysqli;
        $query = sprintf('SELECT * FROM professor WHERE name = "%s"', $name);
        if ( ! $result = $mysqli->query( $query ) ) {
            return "There was an db error, try again". $mysqli->error;
        }
        if ( $result->num_rows == 1 ) {
            $resultObj = $result->fetch_object();
            if ($resultObj->pass == $pass ) {
                return 1 . $resultObj->ID;
            } else
                return 0;
        }
        return 0;
    }
}
```

```

    public static function getNameFromId($id)
    {
        include_once ('conn.php');
        global $mysqli;
        $query = sprintf('SELECT name FROM professor WHERE id = "%s"', $id);
        if ( ! $result = $mysqli->query( $query ) ) {
            return "There was an db error, try again". $mysqli->error;
        }
        if ( $result->num_rows == 1 ) {
            return $result->fetch_object()->name;
        }
        return 0;
    }
}
?>

```

Napraviti fajl “studentClass.php”

studentClass.php

Napraviti fajl “signup.php” koji omogućava registraciju novog profesora ili studenta. Na submitovanje forme za sign in poziva se ruta postSignup koja proverava da li je korisnik uneo validne podatke, a zatim kreira novog studenta ili profesora.

signup.php

```

<?php
include_once ('header.php');
?>
<div class="container">
    <?php
        if(!isset($_SESSION))
        {
            session_start();
        }
        if(isset($_SESSION['signup'])) {
            echo '<h2 class="form-signin-heading loginError">'. $_SESSION['signup']. '</h2>';
            unset($_SESSION['signup']);
        }
    ?>
    <form class="form-signin" action="postSignup.php" method="POST" >
        <h2 class="form-signin-heading" style="text-align:center">Please sign up</h2>
        <label for="name" class="sr-only" >Name</label>
        <input type="text" name="name" id="inputEmail" style="margin:5px;"
class="form-control" placeholder="Your name" required autofocus>
        <label for="pass" class="sr-only">Password</label>
        <input type="password" name="pass" id="inputPassword" style="margin:5px;"
class="form-control" placeholder="Password" required>
        <label for="inputPassword" class="sr-only">Retype password</label>
        <input type="password" name="passAgain" id="inputPassword" style="margin:5px;"
class="form-control" placeholder="Retype password" required>
        <select class="form-control" name="type" style="margin:5px;">
            <option value="student">Student</option>
            <option value="professor">Professor</option>
        </select>
        <button class="btn btn-lg btn-primary btn-block" type="submit"
style="margin:5px;">Sign up</button>
    </form>
</div>
</body>
</html>

```

postSignup.php

```
<?php
include_once 'studentClass.php';
include_once 'professorClass.php';
if(!isset($_SESSION))
{
    session_start();
}

include_once('conn.php');
if(isset($_POST['name']) && isset($_POST['pass']) && isset($_POST['passAgain']) &&
isset($_POST['type'])) {
    if ($_POST['pass'] != $_POST['passAgain']) {
        $_SESSION['signup'] = "Passwords don't match, try again";
        header("Location: signup.php");
        exit();
    }
    if ($_POST['type'] == 'student') {
        $newUser = new Student($_POST['name'], $_POST['pass']);
    } else {
        $newUser = new Professor($_POST['name'], $_POST['pass']);
    }
    $success = $newUser->insertInDb();
    if (strpos($success, 'professor') !== false || strpos($success, 'student') !==
false) {
        $_SESSION['loggedin'] = $success;
        header("Location: index.php");
        exit();
    }
    if ($success == 0) {
        $_SESSION['signup'] = "Something went wrong when writing in db,try again"
. $mysqli->error;
        header("Location: signup.php");
    }
    if ($success == 2) {
        $_SESSION['signup'] = "This username is already taken, try another one";
        header("Location: signup.php");
    }
}
```

Napraviti fajl "signin.php" koji omogućava korisnicima prijavu na sistem. Na submitovanje forme za sign in poziva se ruta postSignup koja loguje korisnika na sistem.

signin.php

```
<?php
include_once ('header.php');
?>

<?php
if(!isset($_SESSION))
{
    session_start();
}

if(isset($_SESSION['loginError'])) {
    echo '<h2 class="form-signin-heading
loginError">'. $_SESSION['loginError'].'</h2>';
    unset($_SESSION['loginError']);
}

if (isset($_SESSION['loggedin']) && $_SESSION['loggedin'] == 0 ) { ?>
<h2 class="form-signin-heading loginError">Username or password is wrong,please try
again</h2>
```

```

<?php } unset($_SESSION['logged_in']); ?>
<div class="container">
    <form class="form-signin" action="postSignin.php" method="POST">
        <h2 class="form-signin-heading" style="text-align:center">Please sign in</h2>
        <label for="inputEmail" class="sr-only">Email address</label>
        <input type="text" name="user" id="inputEmail" style="margin:5px" class="form-
class="form-control" placeholder="Username" required autofocus>
        <label for="inputPassword" class="sr-only">Password</label>
        <input type="password" name="pass" id="inputPassword" style="margin:5px"
class="form-control" placeholder="Password" required>
        <button class="btn btn-lg btn-primary btn-block" type="submit"
style="margin:5px">Sign in</button>
    </form>
</div> <!-- /container -->
</body>
</html>

```

postSignin.php

```

<?php
include_once ('conn.php');
include_once ('studentClass.php');
include_once ('professorClass.php');
if(!isset($_SESSION))
{
    session_start();
}
if(isset($_POST['user']) && isset($_POST['pass'])) {
    $name = $_POST['user'];

    $success = Student::login($_POST['user'], $_POST['pass']);
    if($success[0] != 1) {
        $success = Professor::login($_POST['user'], $_POST['pass']);
    } else {
        $_SESSION['logged_in'] = 'student|'. substr($success, 1);
        header( "Location: index.php" );
        die();
    }
    if ( $success[0] != '1' && $success[0] != '0' ) {
        $_SESSION['loginError'] = "Username or password is wrong. Please try
again";
        header( "Location:signin.php" );
        exit();
    }
    if ( $success[0] == '1' ) {
        $_SESSION['logged_in'] = 'professor|'. substr($success, 1);
        echo "djes poso soso";
        header( "Location: index.php" );
        exit();
    } else {
        $_SESSION['logged_in'] = 0;
        header( "Location: signin.php" );
    }
}
}

```

Napraviti fajl "signinout.php" koji omogućava odjavu korisnika sa sistema.

signinout.php

```
<?php
if(!isset($_SESSION))
{
    session_start();
}
if(isset($_SESSION['loggedin'])) {
unset($_SESSION['loggedin']);
}
header("Location: index.php");
?>
```

Napraviti fajl "header.php" koji predstavlja header koji će se videti na svakoj stranici. U headeru se nalaze dugmići za navigaciju ka dostupnim stranicama, u zavisnosti od toga da li je ulogovan profesor ili student.

header.php

```
<?php
if(!isset($_SESSION))
{
    session_start();
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <title>E Student</title>
    <link rel="stylesheet" type="text/css" href="css/style.css">
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
    <link rel="stylesheet"
href="https://cdn.datatables.net/1.10.15/css/jquery.dataTables.min.css">
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.1.1/jquery.min.js"></script>
    <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
    <script
src="https://cdn.datatables.net/1.10.15/js/jquery.dataTables.min.js"></script>
    <link href="css/signin.css" rel="stylesheet">
</head>
<body>

<nav class="navbar navbar-default">
    <div class="container-fluid">
        <div class="navbar-header">
            <button type="button" class="navbar-toggle" data-toggle="collapse" data-
target="#myNavbar">
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
            </button>
            <a class="navbar-brand" href="index.php">E student</a>
        </div>
        <div class="collapse navbar-collapse" id="myNavbar">
            <ul class="nav navbar-nav">
                <li class=""><a href="index.php">Home</a></li>
```

```

        <li class="dropdown">
            <?php
                if(isset($_SESSION['loggedin']) && strpos($_SESSION['loggedin'],
'professor') !== false) {
                    ?>
                    <a class="dropdown-toggle" data-toggle="dropdown" href="#">Insert <span
class="caret"></span></a>
                    <ul class="dropdown-menu">
                        <li><a href="addGrade.php">Grade</a></li>
                        <li><a href="addExam.php">Exam</a></li>
                    </ul>
                </li>
                <li><a href="allGrades.php">See all grades</a></li>
                <li><a href="allExams.php">See all exams</a></li>
                <li><a href="examGraph.php">Charts</a></li>
            <?php } ?>
            <?php
                if(isset($_SESSION['loggedin']) && strpos($_SESSION['loggedin'], 'student') !==
false) {
                    ?>
                    <?php } ?>
                </ul>
                <ul class="nav navbar-nav navbar-right">
                    <?php if (isset($_SESSION['loggedin']) && (strpos($_SESSION['loggedin'],
'professor') !== false || strpos($_SESSION['loggedin'], 'student') !== false)) { ?>
                        <li><a href="signout.php"><span class="glyphicon glyphicon-log-out"></span>
Logout</a></li>
                        <?php } else { ?>
                            <li><a href="signup.php"><span class="glyphicon glyphicon-user"></span> Sign
Up</a></li>
                            <li><a href="signin.php"><span class="glyphicon glyphicon-log-in"></span>
Login</a></li>
                            <?php } ?>
                        </ul>
                    </div>
                </div>
            </nav>

```

Napraviti fajl "index.php" koji predstavlja početnu stranicu aplikacije, na kojoj se ulogovanom studentu prikazuje dugme za pregled svih njegovih ocena, a profesoru dugme za pregled ocena i pregled ispita.

index.php

```

<?php
    include_once 'header.php';
    if (!isset($_SESSION)) {
        session_start();
    }
    if(isset($_SESSION['loggedin']) && strpos($_SESSION['loggedin'], 'professor') !==
false) {
        ?>
        <div class="col-4 col-sm-4"></div>
        <div class="col-4 col-sm-4">
            <a href="allGrades.php" class="btn btn-primary" style="width:100%; padding:
10px; margin:10px" >See all grades</a>

            <a href="allExams.php" class="btn btn-primary" style="width:100%; padding:
10px; margin:10px">See all exams</a>
        </div>
        <div class="col-4 col-sm-4"></div>
    <?php }
    if(isset($_SESSION['loggedin']) && strpos($_SESSION['loggedin'], 'student') !== false) {

```

```

?>
    <div class="col-4 col-sm-4"></div>
    <div class="col-4 col-sm-4">
        <a href="allStudentGrades.php" class="btn btn-primary" style="width:100%; padding: 10px;">See all grades</a>
    </div>
    <div class="col-4 col-sm-4"></div>
<?php } if(!isset($_SESSION['loggedin']) || (strpos($_SESSION['loggedin'], 'professor') === false && strpos($_SESSION['loggedin'], 'student') === false )) { ?>
    <div class="col-4 col-sm-4"></div>
    <div class="col-4 col-sm-4">
        <b>You must log in or sign up to access this site</b>
    </div>
    <div class="col-4 col-sm-4"></div>
<?php }

```

Napraviti fajl “allStudentGrades.php” koji tabelarno prikazuje sve ocene za ulogovanog studenta. Na klik dugmeta “Filter” poziva se javascript funkcija koja pravi ajax zahtev i filtrira tabelu.

allStudentGrades.php

```

<?php
include_once 'header.php';
include_once 'gradeClass.php';
if (!isset($_SESSION)) {
    session_start();
}
?>
<div class="container">
    <div class="form-group">
        <select class="form-control" id="gradeFilter">
            <option value="2">All</option>
            <option value="1">Passed</option>
            <option value="0">Failed</option>
        </select>
        <button onclick="applyFilter()" class="btn btn-primary">Filter</button>
    </div>
    <table class="table table-striped">
        <thead>
            <tr>
                <th>Exam name</th>
                <th>Professor name</th>
                <th>Grade</th>
            </tr>
        </thead>
        <tbody id="gradeTable">
            <?php
            if(isset($_SESSION['loggedin'])) {
                global $student;
                $pieces = explode("|", $_SESSION['loggedin']);
                $student = $pieces[1];
                $gradeArray = Grade::getAllGradesForStudent($student);
            } else {
                echo "djes poso";
                die();
            }
            foreach ($gradeArray as $grade) {
                ?>
                <tr class="myClass">
                    <td class="exam"><?php echo $grade->examId?></td>
                    <td><?php echo $grade->professorId?></td>
                    <td><?php echo $grade->grade?></td>
                </tr>
            }
        </tbody>
    </table>

```

```

        <?php } ?>
    </tbody>
</table>
</div>
<script>
    function applyFilter() {
        var opt = $('#gradeFilter').val();
        var filter = "";
        if(opt == 1) {
            filter = "AND grade > 5";
        }
        if(opt == 0) {
            filter = "AND grade = 5";
        }
        var studentId = <?php echo $student; ?>;
        $.ajax({
            method: "POST",
            url: "postFilterAllGrades.php",
            data: 'student_id=' + studentId + '&filter=' + filter,
            success: function(result){
                $('#gradeTable').html(result);
            }
        });
    }
</script>
</body>
</html>

```

postFilterAllGrades.php

```

<?php
include_once 'gradeClass.php';
if (!isset($_SESSION)) {
    session_start();
}
if (isset($_POST['student_id']) && isset($_POST['filter'])) {
    $grades = Grade::getAllGradesForStudent($_POST['student_id'], $_POST['filter']);
    $res = "";
    foreach ($grades as $grade) {
        $res = $res . '<tr class="myClass">';
        $res = $res . '<td class="exam">' . $grade->examId . '</td>';
        $res = $res . '<td>' . $grade->professorId . '</td>';
        $res = $res . '<td>' . $grade->grade . '</td></tr>';
    }
    echo $res;
}

```

Napraviti fajl "examClass.php"

examClass.php

```

<?php
class Exam
{
    public $name;
    public $professorId;
    public $id;
    function __construct($n,$pid)
    {
        $this->name = $n;
        $this->professorId = $pid;
    }
    public function insertInDb()
    {
        require_once('conn.php');
    }
}

```



```

        $query = sprintf('INSERT INTO exam (name,professor_id) VALUES ("%s","%s")',
$this->name, $this->professorId);
        if ($mysqli->query($query)) {
            return 1;
        } else {
            return "error";
        }
    }

    public static function getAllExmas()
    {
        if (!isset($mysqli)) {
            include_once 'conn.php';
            global $mysqli;
        } else {
            global $mysqli;
        }
        $sql = "SELECT * FROM exam";
        if(!$result = $mysqli->query($sql)) {
            echo "ERROR". $mysqli->errno;
            exit();
        }
        $arrayResult = array();
        while($row = $result->fetch_object()) {
            $exam = new Exam($row->name, $row->professor_id);
            $exam->id = $row->ID;
            array_push($arrayResult, $exam);
        }
        return $arrayResult;
    }
    public static function getNameById($id)
    {
        include_once 'conn.php';
        global $mysqli;
        $sql = sprintf("SELECT name FROM exam WHERE ID=%s",$id);
        $result = $mysqli->query($sql);
        if(!$result) {
            echo "ERROR". $mysqli->errno;
            exit();
        }
        $ret = $result->fetch_assoc();
        return $ret['name'];
    }
    public static function deleteExam($id)
    {
        include_once ('conn.php');
        $query = sprintf('DELETE FROM exam WHERE id=%s', $id);
        if(!$result = $mysqli->query($query)) {
            echo "Error deleting exam". $result->error;
            exit();
        } else {
            Grade::deleteGrades($id);
        }
    }

    public static function getOneExam ($id) {
        include_once ('conn.php');
        global $mysqli;
        $query = sprintf('SELECT * FROM exam WHERE id=%s', $id);
        if(!$result = $mysqli->query($query)) {
            echo "Error getting 1 exam". $result->error;
            exit();
        } if($result == null) {
            echo $mysqli->error;

```

```

    }
    $exam = $result->fetch_object();
    $res = new Exam($exam->name, $exam->professor_id);
    $res->id = $exam->ID;
    return $res;
}

public static function getExamsICanApplyFor($examPeriodId)
{
    if (!isset($mysqli)) {
        include_once 'conn.php';
        global $mysqli;
    } else {
        global $mysqli;
    }
    $sql = sprintf('SELECT e.name, e.professor_id, e.ID FROM exam e JOIN
exam_period_exam ep ON (e.ID = ep.exam_id) WHERE ep.exam_period_id = %s',
$examPeriodId);
    if(!$result = $mysqli->query($sql)) {
        echo "ERROR". $mysqli->errno;
        exit();
    }
    $arrayResult = array();
    while($row = $result->fetch_object()) {
        $exam = new Exam($row->name, $row->professor_id);
        $exam->id = $row->ID;
        array_push($arrayResult, $exam);
    }
    return $arrayResult;
}

public static function getTotalExamCount($examId)
{
    if (!isset($mysqli)) {
        include_once 'conn.php';
        global $mysqli;
    } else {
        global $mysqli;
    }
    $sql = "";
    $sql = sprintf("SELECT COUNT(*) as num FROM `grade` WHERE exam_id = %s ",
$examId);

    if(!$result = $mysqli->query($sql)) {
        echo "ERROR". $mysqli->errno;
        exit();
    }
    $arrayResult = array();
    $count = 0;
    if($row = $result->fetch_object()) {
        $count = $row->num;
    }
    return $count;
}

public static function getExamStatistics($examId) {
    if (!isset($mysqli)) {
        include_once 'conn.php';
        global $mysqli;
    } else {
        global $mysqli;
    }
}

```

```

        $sql = "";
        $sql = sprintf("SELECT COUNT(*) as num FROM `grade` WHERE exam_id = %s
AND grade = 5", $examId);

        if(!$result = $mysqli->query($sql)) {
            echo "ERROR". $mysqli->errno;
            exit();
        }
        $arrayResult = array();
        if($row = $result->fetch_object()) {
            $count = $row->num;
        }
        $totalGrades = self::getTotalExamCount($examId);
        $arrayResult['fail'] = (int)$count;
        $arrayResult['pass'] = (int)$totalGrades - (int)$count;
        return $arrayResult;
    }
}

```

Napraviti fajl "addExam.php" koji ulogovanom profesoru omogućava dodavanje novog predmeta. Na submitovanje forme poziva se ruta postAddExam.

addExam.php

```
<?php
    include_once 'header.php';
    if (!isset($_SESSION)) {
        session_start();
    }
    if (isset($_SESSION['addExam'])) {
        ?>
        <h2 class="form-signin-heading loginError"><?php echo $_SESSION['addExam']?></h2>
    <?php } unset($_SESSION['addExam']); ?>
    <div class="container">
        <form class="form-signin" action="postAddExam.php" method="POST">
            <h2 class="form-signin-heading">Add a new exam</h2>
            <label for="inputEmail" class="sr-only">Name</label>
            <input type="text" name="name" id="inputEmail" class="form-control"
placeholder="Name" style="margin-top:5px; margin-bottom:5px" required autofocus>
            <button class="btn btn-lg btn-primary btn-block" type="submit" style="margin-
top:5px; margin-bottom:5px">Add exam</button>
        </form>
    </div>
</body>
</html>
```

postAddExam.php

```
<?php
include_once 'examClass.php';
if(!isset($_SESSION))
{
    session_start();
}
if(isset($_POST['name'])){
    if(isset($_SESSION['loggedin'])){
        $pieces = explode("|", $_SESSION['loggedin']);
        $professorId = $pieces[1];
        $exam = new Exam($_POST['name'], $professorId);
        $success = $exam->insertInDb();
        if($success == 1) {
            $_SESSION['addExam'] = "You have successfully added a new exam";
            header("Location: addExam.php ");
        } else {
            $_SESSION['addExam'] = $success;
            header("Location: addExam.php ");
        }
    } else {
        echo "No access";
    }
}
```

Napraviti fajl „deleteExam.php“ koji ulogovanom profesoru omogućava brisanje postojećih predmeta.
deleteExam.php

```
<?php
include_once 'examClass.php';
if(!isset($_SESSION))
{
    session_start();
}
if(isset($_GET['id'])) {
    Exam::deleteExam($_GET['id']);
    header("Location: allExams.php");
}
```

Napraviti fajl “gradeClass.php”
gradeClass.php

```
<?php
class Grade
{
    public $professorId;
    public $studentId;
    public $examId;
    public $grade;
    public $id;
    function __construct($pid,$sid,$eid,$g)
    {
        $this->professorId = $pid;
        $this->studentId = $sid;
        $this->examId = $eid;
        // $this->date = $d;
        $this->grade = $g;
    }
    public function insertInDb()
    {
        require_once('conn.php');
        global $mysqli;
        $query = sprintf("INSERT INTO grade
(professor_id,student_id,exam_id,grade) VALUES (%s, %s, %s, %s)", $this->professorId,
$this->studentId, $this->examId, $this->grade);
        if ($mysqli->query($query)) {
            return 1;
        } else {
            return $mysqli->error;
        }
    }
    public static function getAllGrades($sort = "")
    {
        include_once 'conn.php';
        include_once 'studentClass.php';
        include_once 'examClass.php';
        global $mysqli;
        if($sort != "") {
            $sql = sprintf("SELECT * FROM grade ORDER BY grade %s", $sort);
        } else {
            $sql = "SELECT * FROM grade";
        }
        if(!$result = $mysqli->query($sql)) {
            echo "ERROR". $mysqli->errno;
            exit();
        }
    }
}
```

```

$arrayResult = array();
while($row = $result->fetch_object()) {
    $studentName = Student::getNameById($row->student_id);
    $examName = Exam::getNameById($row->exam_id);
    if(isset($_SESSION['loggedin'])) {
        $pieces = explode("|", $_SESSION['loggedin']);
        $professorId = $pieces[1];
        $grade = new Grade($professorId, $studentName, $examName, $row-
>grade);

        $grade->id = $row->id;
        array_push($arrayResult, $grade);
    } else {
        echo "sranje";
        die();
    }
}
return $arrayResult;
}

public static function getAllGradesForStudent($id, $filter = "")
{
    include_once 'conn.php';
    include_once 'studentClass.php';
    include_once 'examClass.php';
    include_once 'professorClass.php';
    global $mysqli;
    $sql = sprintf('SELECT * FROM grade WHERE student_id = %s %s', $id,
$filter);

    if(!$result = $mysqli->query($sql)) {
        echo "ERROR". $mysqli->errno;
        exit();
    }
    $arrayResult = array();
    while($row = $result->fetch_object()) {
        $studentName = Student::getNameById($row->student_id);
        $examName = Exam::getNameById($row->exam_id);
        $professorId = Professor::getNameFromId($row->professor_id);
        $grade = new Grade($professorId, $studentName, $examName, $row-
>grade);

        $grade->id = $row->id;
        array_push($arrayResult, $grade);
    }
    return $arrayResult;
}

public static function getOneGrade ($id) {
    include_once ('conn.php');
    global $mysqli;
    $query = sprintf('SELECT * FROM grade WHERE id=%s', $id);
    if(!$result = $mysqli->query($query)) {
        echo "Error getting 1 grade". $result->error;
        exit();
    } if($result == null) {
        echo $mysqli->error;
    }
    $grade = $result->fetch_object();
    $studentName = Student::getNameById($grade->student_id);
    $examName = Exam::getNameById($grade->exam_id);
    $res = new Grade($grade->professor_id, $studentName, $examName, $grade-
>grade);

    return $res;
}

```

```

public static function deleteGrade($id)
{
    include_once ('conn.php');
    $query = sprintf('DELETE FROM grade WHERE id=%s', $id);
    if(!$result = $mysqli->query($query)) {
        echo "Error deleting team".$result->error;
        exit();
    }
}
public static function deleteGrades($exam_id)
{
    include_once ('conn.php');
    global $mysqli;
    $query = sprintf('DELETE FROM grade WHERE exam_id = %s', $exam_id);
    if(!$result = $mysqli->query($query)) {
        echo "Error deleting team".$result->error;
        exit();
    }
}
}
}

```

Napraviti fajl “addGrade.php” koji ulogovanom profesoru omogućava evidentiranje ocena. Na submitovanje forme poziva se ruta postAddGrade.

addGrade.php

```

<?php
include_once ('header.php');
include_once 'studentClass.php';
include_once 'examClass.php';
if(!isset($_SESSION))
{
    session_start();
}
if (isset($_SESSION['addGrade'])) {
    ?>
    <h2 class="form-signin-heading loginError"><?php echo
$_SESSION['addGrade']?></h2>
<?php } unset($_SESSION['addGrade']); ?>
<div class="container">
    <form class="form-signin" action="postGrade.php" method="POST">
        <h2 class="form-signin-heading">Add a new grades</h2>
        <?php
        $exams = Exam::getAllExmas();
        global $exams;
        echo '    <select name="exam" class="form-control" style="margin-
top:5px; margin-bottom:5px">';
        foreach ($exams as $exam) {
            ?>
            <option value="<?php echo $exam->id ?>"> <?php echo $exam->name ?>
</option>
            <?php } ?>
        </select>
        <label class="sr-only">Grade</label>
        <?php
        $students = Student::getAllStudents();
        global $students;
        echo '    <select name="student" class="form-control" style="margin-top:5px;
margin-bottom:5px">';
        foreach ($students as $student) {
            ?>

```

```

        <option value="<?php echo $student->id ?>" > <?php echo $student->name ?>
</option>
        <?php } ?>
    </select>
    <label for="inputEmail" class="sr-only">Grade</label>
    <input type="number" min = "5" max="10" name="grade" id="inputEmail"
class="form-control" placeholder="Grade" style="margin-top:5px; margin-bottom:5px"
required autofocus>
    <button class="btn btn-lg btn-primary btn-block" type="submit" style="margin-
top:5px; margin-bottom:5px">Add grade</button>
</form>
</div> <!-- /container -->
</body>
</html>

```

postAddGrade.php

```

<?php
include_once 'gradeClass.php';
if(!isset($_SESSION))
{
    session_start();
}
if(isset($_POST['student']) && isset($_POST['grade']) && isset($_POST['exam'])) {
    if(isset($_SESSION['loggedin'])) {
        $pieces = explode("|", $_SESSION['loggedin']);
        $professorId = $pieces[1];
        $grade = new Grade($professorId, $_POST['student'], $_POST['exam'],
$_POST['grade']);
        $success = $grade->insertInDb();
        if($success == 1) {
            $_SESSION['addGrade'] = "You have successfully added a new grade";
            header("Location: addGrade.php ");
        } else {
            $_SESSION['addGrade'] = $success;
            header("Location: addGrade.php ");
        }
    } else {
        echo "Error!";
    }
}
}

```

Napraviti fajl "deleteGrade.php" koji ulogovanom profesoru omogućava brisanje unete ocene.

deleteGrade.php

```

<?php
include_once 'gradeClass.php';
if(!isset($_SESSION))
{
    session_start();
}
if(isset($_GET['id'])) {
    Grade::deleteGrade($_GET['id']);
    header("Location: allGrades.php");
}

```


Napraviti fajl "allGrades.php" koji omogućava ulogovanom profesoru prikaz svih unetih ocena. Na klik dugmeta "Filter" poziva se javascript funkcija pomoću jQuery-ja filtrira tabelu.

```
allGrades.php
<?php
include_once 'header.php';
include_once 'gradeClass.php';
include_once 'examClass.php';
if (!isset($_SESSION)) {
    session_start();
}
?>
<div class="container">
    <div style="display: inline">
        <span><h3>Filter table by exam</h3></span>
        <?php
            $exams = Exam::getAllExams();
            echo '    <select name="exam" class="form-control" id="myselect"
style="margin:5px">';
            foreach ($exams as $exam) {
                ?>
                <option value="<?php echo $exam->name ?>"> <?php echo $exam->name ?>
</option>
                <?php } ?>
            </select>
            <button class="btn btn-primary" onclick="filterExams()"
style="margin:5px">Filter</button>
            <button class="btn btn-primary" onclick="removeInlineStyle()"
style="margin:5px">Remove filter</button>
            <br>
            <br>
        </div>
        <table class="table table-striped">
            <thead>
                <tr>
                    <th>Exam name</th>
                    <th>Student name</th>
                    <th>Grade
                    <a class="btn" href="allGrades.php?sort=asc">&#8593;</a>
                    <a class="btn" href="allGrades.php?sort=desc">&#8595;</a>
                    </th>
                </tr>
            </thead>
            <tbody>
                <?php
                if(isset($_GET['sort'])) {
                    $gradeArray = Grade::getAllGrades($_GET['sort']);
                }else {
                    $gradeArray = Grade::getAllGrades();
                }
                foreach ($gradeArray as $grade) {
                    ?>
                    <tr class="myClass">

                        <td class="exam"><?php echo $grade->examId?></td>
                        <td><?php echo $grade->studentId?></td>
                        <td><?php echo $grade->grade?></td>
                        <td class="minimal_cell">
                            <a href="<?php echo 'deleteGrade.php?id=' . $grade->id?>">
                                <span class="glyphicon glyphicon-trash"></span>
                            </a>
                        </td>
                    </tr>
                </tr>
            </tbody>
        </table>
    </div>
</div>
```

```

        <?php } ?>
    </tbody>
</table>
</div>
<script>
    function removeInlineStyle() {
        $("tr.myClass").each(function(i , b) {
            b.style.display = "";
        });
    }
    function filterExams() {
        name = $( "#myselect" ).val();
        filterExamsByName(name);
    }
    function filterExamsByName(examName) {
        removeInlineStyle();
        $("tr.myClass").each(function(i , b) {
            $this = $(this);
            a = $this.find("td.exam");
            var value = a.html();
            if(value != examName) {
                b.style.display = "none";
            }
        });
    }
}
</script>
</body>
</html>

```

Napraviti fajl „allExams.php“ koji ulogovanom profesoru prikazuje sve unete predmete, njihovu izmenu i brisanje.

allExams.php

```

<?php
include_once ('header.php');
include ('examClass.php');
if (!isset($_SESSION)) {
    session_start();
}
?>
<div class="container">
    <table class="table table-striped">
        <thead>
            <tr>
                <th>Exam name</th>
            </tr>
        </thead>
        <tbody>
            <?php
                $examArray = Exam::getAllExmas();
                foreach ($examArray as $exam) {
                    ?>
                    <tr>
                        <td><?php echo $exam->name?></td>
                        <td class="minimal_cell">
                            <a href="javascript:getExamName(<?php echo $exam->id?>); ">
                                <span class="glyphicon glyphicon-edit"></span>
                            </a>
                            &nbsp;
                            <a href="<?php echo 'deleteExam.php?id=' . $exam->id?>">
                                <span class="glyphicon glyphicon-trash"></span>
                            </a>
                        </td>
                    </tr>
                </tbody>
            </table>
        </div>
    </div>

```

```

        </td>
    </tr>
    <?php } ?>
</tbody>
</table>
</div>
</body>
</html>
<script>
    function getExamName(id) {
        $.ajax({
            type: 'POST',
            url: 'postGetExamName.php',
            data: {id: id},
            success: function(data) {
                myFunction(id, data);
            },
            error: function () {
                console.log("greska");
            }
        });
    }
    function myFunction(id, name) {
        console.log(name);
        var person = prompt("Change the name of the exam to", name);
        if (person != null) {
            $.ajax({
                type: 'POST',
                url: 'postEditExam.php',
                data: {name: person, id: id},
                success: function() {
                    location.reload(true);
                },
                error: function () {
                    console.log("greska");
                }
            });
        }
    }
}
</script>

```

postEditExam.php

```

<?php
if (isset($_POST['name'])) {
    include_once('conn.php');
    global $mysqli;
    $sql = sprintf('UPDATE exam SET name="%s" WHERE id=%s', $_POST['name'],
$_POST['id']);
    if($mysqli->query($sql) === false){
        echo "Error";
        exit();
    }
    header("Location: allExams.php");
}

```

postGetExamName.php

```

<?php
include_once 'examClass.php';
if(isset($_POST['examId'])) {
    $eId = $_POST['examId'];
    $res = Exam::getExamStatistics($eId);
    echo json_encode($res);
}

```

Napraviti fajl „examChart.php“ koji omogućava ulogovanom profesoru vizuelizaciju broja položenih i nepoloženih ispita koristeći Google API.

examChart.php

```
<?php
include_once 'header.php';
include_once 'examClass.php';
if (!isset($_SESSION)) {
    session_start();
}

?>
<div class="container">
<div style="display: inline">
<span><h3>Choose exam</h3></span>
<?php
$exams = Exam::getAllExams();
echo ' <select name="exam" class="form-control" id="chooseExam"
onchange="fillChart()">';
foreach ($exams as $exam) {
    ?>
    <option value="<?php echo $exam->id ?>"> <?php echo $exam->name ?> </option>
<?php } ?>
</select>
</div>
</div>
<div id="piechart_3d" style="width: 900px; height: 500px;"></div>
<script type="text/javascript"
src="https://www.gstatic.com/charts/loader.js"></script>
<script src="js/examCharts.js"></script>
```

examCharts.js

```
var jsonContent;
$(document).ready(function () {
    fillChart();
});
function fillChart() {
    examId = $("#chooseExam").val();
    $.ajax({
        method: "POST",
        url: "postGetChartJson.php",
        data: "examId="+examId,
        success: function (result) {
            jsonContent = JSON.parse(result);
            google.charts.load("current", {packages:["corechart"]});
            google.charts.setOnLoadCallback(drawChart);
            var arr = [];
            arr['Pass/Fail'] = 'Number of pass/fail';
            arr['Pass'] = jsonContent.pass;
            arr['Fail'] = jsonContent.fail;
        }
    });
}
function drawChart() {
    var data = google.visualization.arrayToDataTable([
        ['Pass/Fails', 'Number'],
        ['Pass', jsonContent.pass],
        ['Fail', jsonContent.fail]
    ]);
    var options = {
        title: 'Exam statistics',
        is3D: true,
    };
};
```

```
var chart = new
google.visualization.PieChart(document.getElementById('piechart_3d'));
chart.draw(data, options);
}
```

postGetChartJson.php

```
<?php
include_once 'examClass.php';
if(isset($_POST['examId'])) {
    $eId = $_POST['examId'];
    $res = Exam::getExamStatistics($eId);
    echo json_encode($res);
}
```